

7/3,K/1 (Item 1 from file: 442)
 DIALOG(R)File 442:AMA Journals
 (c)2002 Amer Med Assn -FARS/DARS apply. All rts. reserv.

00052529

Posterior Cricothyroid Muscle Denervation (Article)

Kano, Shigeru MD; Horowitz, Jay B MD; Sasaki, Clarence T. MD
 Archives of Otolaryngology-Head & Neck Surgery
 1991; 117: 1019 (2)

... n = 87) at 24.4 +/- or -/ 5.6 /micrometer/ (P>.05). COMMENT A paralyzed vocal **fold** can be clinically managed using a variety of methods, including Teflon or absorbable gelatin sponge (Gelfoam) injection, surgical medialization of the paralyzed **fold**, reinnervation using a nerve graft, or direct electrical pacing of the paralyzed muscle. The long...

... atrophy of canine PCA muscle 6 months following denervation; however, even after 6 months, phrenic **nerve implants** showed effective reinnervation. The data presented herein suggest that significant atrophy of the canine PCA...

7/3,K/2 (Item 2 from file: 442)
 DIALOG(R)File 442:AMA Journals
 (c)2002 Amer Med Assn -FARS/DARS apply. All rts. reserv.

00031386

Copyright (C) 1986 American Medical Association

Surgical Decompression of the Facial Nerve in the Treatment of Chronic Cluster Headache (ORIGINAL CONTRIBUTION)

SOLOMON, SEYMOUR
 Archives of Neurology
 May, 1986; 43: 479-482
 LINE COUNT: 00218 WORD COUNT: 03019

... posterior fossa craniectomy, branches of the petrosal vein and superior cerebellar artery were noted to **compress** the root exit-entry zone of the trigeminal nerve. The nerve was decompressed by coagulating and dividing the vein and inserting a plastic **prosthesis** between the **nerve** and artery. A venous channel was interposed between the seventh and eighth cranial nerves and...

... exit-entry zone. Displacement of the artery from the nerve revealed an indentation in the **nerve**; a plastic **prosthesis** was inserted between the nerve and artery. A tortuous vein also appeared to **compress** this nerve adjacent to the brain stem and the vein was severed. A vein and...

7/3,K/3 (Item 1 from file: 95)
 DIALOG(R)File 95:TEME-Technology & Management
 (c) 2002 FIZ TECHNIK. All rts. reserv.

01252308 I98102188300

Multi-microelectrode devices for intrafascicular use in peripheral nerve
 Rutten, WLC

Inst. of Biomed. Technol., Twente Univ., Enschede, Netherlands
 Proceedings of the 18th Annual International Conference of the IEEE
 Engineering in Medicine and Biology Society. 'Bridging Disciplines for
 Biomedicine' (Cat. No.96CH36036), 31 Oct.-3 Nov. 1996, Amsterdam,
 Netherlands1997

Document type: Conference paper Language: English
 Record type: Abstract
 ISBN: 0-7803-3811-1

ABSTRACT:

...University of Twente three-dimensional 128-fold silicon microelectrode device. The device is meant for **implantation** in peripheral **nerve** for neuromuscular control purposes and is estimated to be able to selectively control 10-20...

...lines of research develop towards in-vitro-neuron-cultured MEPs (Multi Electrode Plates) to be **implanted** in **neural** tissue.

7/3,K/4 (Item 1 from file: 98)

DIALOG(R)File 98:General Sci Abs/Full-Text
(c) 2002 The HW Wilson Co. All rts. reserv.

03004983 H.W. WILSON RECORD NUMBER: BGS195004983

Lazaroids improve the survival of grafted rat embryonic dopamine neurons.

Nakao, Naoyuki

Frodl, Eva M; Duan, Wei-Ming

Proceedings of the National Academy of Sciences of the United States of America (Proc Natl Acad Sci U S A) v. 91 (Dec. 20 '94) p. 12408-12

DOCUMENT TYPE: Feature Article

SPECIAL FEATURES: bibl il ISSN: 0027-8424

LANGUAGE: English

COUNTRY OF PUBLICATION: United States

...ABSTRACT: human embryonic mesencephalic tissue rich in dopamine neurons, only 5-20 percent of the dopamine **neurons** survive the **implantation** process. U-74389G and U-83836E markedly prolonged the viability of dissociated mesencephalic embryonic cells in vitro and increased the survival of mesencephalic graft tissue in vivo 2.6- fold .

7/3,K/5 (Item 1 from file: 149)

DIALOG(R)File 149:TGG Health&Wellness DB(SM)

(c) 2002 The Gale Group. All rts. reserv.

01667504 SUPPLIER NUMBER: 19088704 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Intraoperative positioning of surgical patients. (home study program including question and answer key)

McEwen, Donna R.

AORN Journal, v63, n6, p1059(24)

June,

1996

PUBLICATION FORMAT: Magazine/Journal ISSN: 0001-2092 LANGUAGE: English

RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Professional; Trade

WORD COUNT: 9402 LINE COUNT: 00934

... and sugar units).

Lying within the connective tissue structures of the dermis are blood vessels, **nerves**, lymphatic vessels, and cellular elements (ie, fibroblast, mast cells, leukocytes, macrophages). After the dermal layer... should select positioning devices that maintain intraoperative positions and minimize potential tissue injuries by absorbing **compression** forces, redistributing pressure, and preventing excessive stretching.10 A wide variety of positioning devices are...

...molded foam devices (eg, prone face guards), * sandbags and bean bag devices, * towels and sheet **rolls**, * air devices (eg, alternating pressure mattresses), * gel pads (eg, chest **rolls**, donut headrests), and * gel-type devices (eg, viscoelastic dry polymer mattress overlays).

Gel pads may... **roll** _

7/3,K/6 (Item 2 from file: 149)

DIALOG(R)File 149:TGG Health&Wellness DB(SM)

(c) 2002 The Gale Group. All rts. reserv.

01491450 SUPPLIER NUMBER: 15775547 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Otorhinolaryngology. (Recent Advances)
Hinton, Anthony; Moore-Gillon, Victoria
British Medical Journal, v309, n6955, p651(4)
Sept 10,
1994
PUBLICATION FORMAT: Magazine/Journal ISSN: 0959-8146 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Professional
WORD COUNT: 3082 LINE COUNT: 00265

... immobile vocal cord. Very recently the use of medialisation techniques has been combined with vocal **fold** reinnervation and is giving superior results. (10) The technique can be carried out under local **nerve**-muscle pedicle **implant** restores both adduction of the vocal cord and the ability to tense the muscle and...

7/3,K/7 (Item 3 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)
(c) 2002 The Gale Group. All rts. reserv.

01235133 SUPPLIER NUMBER: 08543421 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Grafts of fetal dopamine neurons survive and improve motor function in Parkinson's disease.
Lindvall, Olle; Brundin, Patrik; Widner, Hakan; Rehncrona, Stig; Gustavii, Bjorn; Frackowiak, Richard; Leenders, Klaus L.; Sawle, Guy; Rothwell, John C.; Marsden, C. David; Bjorklund, Anders
Science, v247, n4942, p574(4)
Feb 2,
1990
PUBLICATION FORMAT: Magazine/Journal ISSN: 0036-8075 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Academic
WORD COUNT: 2918 LINE COUNT: 00265

... the implantation site and a substantial (at least 20-fold) increase in the survival of **implanted** fetal DA **neurons** [15].

Our data demonstrate that human fetal DA neurons can survive, grow, and restore striatal...

7/3,K/8 (Item 4 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)
(c) 2002 The Gale Group. All rts. reserv.

01225626 SUPPLIER NUMBER: 09005458
Combined laryngeal framework medialization and reinnervation for unilateral vocal fold paralysis.
Tucker, Harvey M.
Annals of Otology, Rhinology and Laryngology, v99, n10, p778(4)
Oct,
1990
PUBLICATION FORMAT: Magazine/Journal ISSN: 0003-4894 LANGUAGE: English
RECORD TYPE: Abstract TARGET AUDIENCE: Professional

...ABSTRACT: provides additional improvement in voice quality and pitch control. Twenty-nine patients with unilateral vocal **fold** paralysis received this operation under local anesthesia so that the voice could be assessed during...

...all of the patients have retained their vocal improvement. This new method, which combines Silastic **implantation** with **nerve**-muscle pedicle reinnervation, is successful in restoring vocal control and uncompromised respiration to patients with unilateral vocal **fold** paralysis. (Consumer Summary produced by Reliance Medical Information, Inc.)

7/3,K/9 (Item 5 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)

(c) 2002 The Gale Group. All rts. reserv.

01071219 SUPPLIER NUMBER: 03438355 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Cell biology of synaptic plasticity.

Cotman, Carl W.; Nieto-Sampedro, Manuel

Science, v225, p1287(8)

Sept 21,

1984

PUBLICATION FORMAT: Magazine/Journal ISSN: 0036-8075 LANGUAGE: English

RECORD TYPE: Fulltext TARGET AUDIENCE: Academic

WORD COUNT: 4764 LINE COUNT: 00483

... effective use of transplants for studies of neuronal plasticity requires the optimal survival of the **implanted neurons** when they are placed in any location in the CNS. Fetal neurons have been transplanted...

...adult by 8 to 10 days after the lesion. This maximum was 5- to 50- **fold** the basal level in the normal brain, depending on the cell type used as the ...

7/3,K/10 (Item 1 from file: 369)

DIALOG(R)File 369:New Scientist

(c) 2002 Reed Business Information Ltd. All rts. reserv.

00121254 16121755.100 (USE FORMAT 7 OR 9 FOR FULLTEXT)

Take flight

SOURBUT, LIZ; Liz Sourbut is an editor and writer of science fiction

New Scientist, vol. 161, no. 2175, p. 48

February 27, 1999

LANGUAGE: English RECORD TYPE: Fulltext DOC. TYPE: Journal

WORD COUNT: 1252

(USE FORMAT 7 OR 9 FOR FULLTEXT)

TEXT:

...woman's scent, and heard the soft, melancholy strains of her smile."

When global economic **collapse** puts an end to developments on the Moon, the Yales are forced to return to Earth, where **neural implants** are illegal. Their new senses are taken from them, and they find themselves locked back...

7/3,K/11 (Item 1 from file: 370)

DIALOG(R)File 370:Science

(c) 1999 AAAS. All rts. reserv.

00500558 (USE 9 FOR FULLTEXT)

Spinal Cord Repair in Adult Paraplegic Rats: Partial Restoration of Hind Limb Function

Cheng, Henrich; Cao, Yihai; Olson, Lars

H. Cheng, Department of Neuroscience, Karolinska Institute, S-171 77

Stockholm, Sweden, and Department of Neurosurgery, Neurologic Institute,

Veterans General Hospital-Taipei and Division of Surgery, National

Yang-Ming University, Taiwan. ; Y. Cao, Department of Cell and Molecular

Biology, Karolinska Institute, S-171 77 Stockholm, Sweden. ; L. Olson,

Department of Neuroscience, Karolinska Institute, S-171 77 Stockholm, Sweden.

Science Vol. 273 5274 pp. 510

Publication Date: 7-26-1996 (960726) Publication Year: 1996

Document Type: Journal ISSN: 0036-8075

Language: English

Section Heading: Reports

Word Count: 2255

(THIS IS THE FULLTEXT)

...Text: We used peripheral **nerve implants** (B4) to bridge the gap

in the spinal cord (Fig. 1, B and C, and Fig. 2B) and found that the use of multiple fine **nerve implants** (18 **nerves** to bridge one gap) gave better precision than the use of fewer thicker nerves. To...cord injury have been studied in animals. Incomplete spinal cord lesions such as hemisections, contusions, **compressions**, and different chemical or mechanical partial lesions have generated valuable information about reactive and compensatory...

Set	Items	Description
S1	187006	NEURO? OR NEURA? OR NERVOUS OR NERV?
S2	47034	PROSTHESIS OR PROSTHESES OR IMPLANT?
S3	207137	COMPACT? OR FOLD? OR ROLL? OR COMPRESS? OR COLLAPS?
S4	870	S1(2N)S2
S5	13	S4(S)S3
S6	13	RD (unique items)

~~S7 11 S6 NOT (PY>2000 OR PD>20000428)~~

?show files

File 441:ESPICOM Pharm&Med DEVICE NEWS 2002/Nov W2

(c) 2002 ESPICOM Bus.Intell.

File 442:AMA Journals 1982-2002/Dec B2

(c)2002 Amer Med Assn -FARS/DARS apply

File 444:New England Journal of Med. 1985-2002/Nov W3

(c) 2002 Mass. Med. Soc.

File 95:TEME-Technology & Management 1989-2002/Nov W1

(c) 2002 FIZ TECHNIK

File 98:General Sci Abs/Full-Text 1984-2002/Oct

(c) 2002 The HW Wilson Co.

File 135:NewsRx Weekly Reports 1995-2002/Nov W2

(c) 2002 NewsRx

File 149:TGG Health&Wellness DB(SM) 1976-2002/Nov W2

(c) 2002 The Gale Group

File 369:New Scientist 1994-2002/Oct W3

(c) 2002 Reed Business Information Ltd.

File 370:Science 1996-1999/Jul W3

(c) 1999 AAAS

8/3,K/1 (Item 1 from file: 442)

DIALOG(R)File 442:AMA Journals

(c)2002 Amer Med Assn -FARS/DARS apply. All rts. reserv.

00027108

Copyright (C) 1984 American Medical Association

Orthostatic Hypotension; II. Clinical Diagnosis, Testing, and Treatment (REVIEW ARTICLE)

SCHATZ, IRWIN J.

Archives of Internal Medicine

May, 1984 ; 144: 1037-10411984;

LINE COUNT: 00313

WORD COUNT: 04326

CITED REFERENCES:

...Oxford, England, Oxford University Press, 1983, pp 316-334.

10. Sheps SG: Use of an **elastic** garment in the treatment of orthostatic hypotension. Cardiology 1976; 61(suppl 1): 271-279.

11...

...South Med J 1982; 75: 634-635.

30. Polinsky RJ, Samaras GM, Kopin IJ: Sympathetic **neural prosthesis** for managing orthostatic hypotension.Lancet 1983; 1: 901-904.

8/3,K/2 (Item 1 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management

(c) 2002 FIZ TECHNIK. All rts. reserv.

01510858 20010507122

'Microflex' - A new assembling technique for interconnects

Stieglitz, T; Beutel, H; Meyer, J-U

Fraunhofer-Inst. for Biomed. Eng. Sensor Systems Department, D-66386 Sankt Ingbert, D

Journal of Intelligent Material Systems and Structures, v11, n6, pp417-425, 2000

Document type: journal article Language: English

Record type: Abstract

ISSN: 1045-389X

ABSTRACT:

...assemblies. The MFI technique has overcome this limitation by interconnecting microsystem components through custom designed **flexible** substrates with embedded metallized conductors, pad arrays for integrated circuits' assembly and substrate integrated electrodes...

...the flip-chip technology. Special advantages of the MFI technique are three-dimensional interconnects, the **flexibility** in design and shape, and easy visual inspection of alignment qualities. The method is especially...
...and reliability. First applications in the biomedical field were presented on the example of a **neural implant** and a sensorized cardiac catheter.

8/3,K/3 (Item 2 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management

(c) 2002 FIZ TECHNIK. All rts. reserv.

01509365 20010501931

Neue Elektrodentechnologien fuer die Neuroprothetik

(Novel electrode technologies for neuroprosthesis)

Stieglitz, T; Schuettler, M; Scholz, O; Koch, KP; Meyer, J-U

Fraunhofer-Inst. f. Biomedizinische Technik, St. Ingbert, D

Beitraege zur gemeinsamen Jahrestagung der Deutschen, der Oesterreichischen

und der Schweizerischen Gesellschaft fuer Biomedizinische Technik, Luebeck, D, 28.-30 Sep, 2000 Biomedizinische Technik. Biomedical Engineering, v45, n0, pp273-274, 2000

Document type: journal article; 06 Conference paper Language: German

Record type: Abstract

ISSN: 0013-5585

ABSTRACT:

Bei **implantierbaren Neuroprothesen** stehen die Elektroden zur Ableitung von Elektroneurogrammen und zur elektrischen Stimulation in einer Schlusstellung. An...

...Rahmen dieses Aufsatzes werden neue Elektrodentechnologien vorgesteht und diskutiert, die aufgrund ihrer Miniaturisierung und ihrer **Flexibilitaet** eine gute Biovertraeglichkeit erwarten lassen.

8/3,K/4 (Item 3 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management

(c) 2002 FIZ TECHNIK. All rts. reserv.

01474912 20001205725

Considerations in the development of a piezoelectric transducer cochlear implant

Mukherjee, N; Roseman, RD

Univ of Cincinnati, Cincinnati, USA

Materials for Smart Systems III, Nov 30-Dec 2 1999, Boston, MA, USA

Materials Research Society Symposium - Proceedings, v604, n8, pp79-84, 2000

Document type: Conference paper Language: English

Record type: Abstract

ISSN: 0272-9172

ABSTRACT:

...of Corti to transduce mechanical energy incident in the cochlea to electrical signals in auditory **nerve** fibers. Cochlear **implant** devices are used to alleviate this condition. Piezoelectric materials offer the unique scope of functioning...

...inner ear. The requirements imposed on such a device are discussed. It is believed that **flexible** piezoelectric PVDF and ceramic-polymer composites are best suited for this application. The design of...

8/3,K/5 (Item 4 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management

(c) 2002 FIZ TECHNIK. All rts. reserv.

01353663 I99110354300

Shielding of flexible microelectrode interconnects for suppression of artifacts in neural prostheses

Stieglitz, T; Schuettler, M; Keller, R; Meyer, J-U

Dept. of Sensor Syst./Microsyst., Fraunhofer Inst. for Biomed. Eng., St. Ingbert, D

Proceedings of the 20th Annual International Conference of the IEEE

Engineering in Medicine and Biology Society. Vol.20 Biomedical Engineering

Towards the Year 2000 and Beyond (Cat. No.98CH36286), 29 Oct.-1 Nov. 1998, Hong Kong, China1998

Document type: Conference paper Language: English

Record type: Abstract

ISBN: 0-7803-5164-9

Shielding of flexible microelectrode interconnects for suppression of artifacts in neural prostheses

ABSTRACT:

An approach for the suppression of artifacts in interconnects of **neural prostheses** is described. Micromachining technologies have been applied to develop **flexible** multichannel electrodes with integrated interconnects.

Often, electrodes were **implanted** on **nerves** with large muscles nearby. Artifacts from muscle activity could couple into the interconnect lines and disturb the small signals recorded from nerves. Therefore, we present a new generation of **flexible** electrodes with an electrical shielding of the interconnects. Simulations with a discrete cable model of...

8/3,K/6 (Item 5 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management
(c) 2002 FIZ TECHNIK. All rts. reserv.

01345783 I99100483300

Flexible, polyimide-based neural interfaces

Stieglitz, T; Beutel, H; Keller, R; Schuettler, M; Meyer, J-U
Dept. of Sensor Syst./Microsyst., Fraunhofer-Inst. for Biomed. Eng., Sankt Ingbert, D

Proceedings of the Seventh International Conference on Microelectronics for Neural, Fuzzy and Bio-Inspired Systems, 7-9 April 1999, Granada, Spain1999
Document type: Conference paper Language: English

Record type: Abstract

ISBN: 0-7695-0043-9

ABSTRACT:

...or peripheral nervous system in case of neuronal disorders. The devices were part of a **neural prosthesis** that allows simultaneous multichannel recording and multisite stimulation of neurons. Overcoming the brittle mechanics of...

...close to the nerve, we established a process technology to fabricate light-weighted and highly **flexible** polyimide based devices with integrated interconnects. A new assembling technique-the microflex interconnection (MFI)-has been applied for the connection of the **flexible** microsystems to silicon microelectronics. In this paper, we present different shapes and applications of the **flexible** electrodes. The discussion is focused on electrode properties and the hybrid assembly of a fully **implantable neural prosthesis**.

8/3,K/7 (Item 6 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management
(c) 2002 FIZ TECHNIK. All rts. reserv.

01320608 I99070424300

Electronic design of a multichannel programmable implant for neuromuscular electrical stimulation

Arabi, K; Sawan, MA

Dept. of Electr. Eng., Ecole de Technol. Superieure, Montreal, Que., CDN
IEEE Transactions on Rehabilitation Engineering, v7, n2, pp204-214, 1999

Document type: journal article Language: English

Record type: Abstract

ISSN: 1063-6528

ABSTRACT:

...blocks can be reused as standard building blocks in the design and implementation of other **neuromuscular prostheses**. Design for low-power techniques have also been employed to reduce power consumption of the...

8/3,K/8 (Item 7 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management
(c) 2002 FIZ TECHNIK. All rts. reserv.

01295747 I99011922300

Neural interfaces for regenerated nerve stimulation and recording

Dario, P; Garzella, P; Toro, M; Micera, S; Alavi, M; Meyer, U; Valderrama, E; Sebatiani, L; Ghelarducci, B; Mazzoni, C; Pastacaldi, P

Scuola Superiore Sant Anna, Pisa, I

IEEE Transactions on Rehabilitation Engineering, v6, n4, pp353-363, 1998

Document type: journal article Language: English
Record type: Abstract
ISSN: 1063-6528

ABSTRACT:

A class of **implantable**, regeneration-type **neural** interfaces (NI's) for mammalian peripheral nerve recording and stimulation were developed using different fabrication...

...on multiple through-holes, (2) a polymer guidance channel housing the die, and (3) a **flexible** flat cable connecting the die to an external electronic circuitry. The design and fabrication of...

8/3,K/9 (Item 8 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management
(c) 2002 FIZ TECHNIK. All rts. reserv.

01272007 I99011416300

Micromachined devices for interfacing neurons

Stieglitz, T; Beutel, H; Blau, C; Meyer, J-U
Dept. of Sensor Syst./Microsyst., Fraunhofer Inst. for Biomed. Eng., Sankt Ingbert, Germany

Smart Structures and Materials 1998: Smart Materials Technologies, 4-5
March 1998, San Diego, CA, USAProceedings of the SPIE - The International Society for Optical Engineering, v3324, n11-12, pp174-185, 1998

Document type: Conference paper Language: English
Record type: Abstract
ISSN: 0277-786X

ABSTRACT:

...interfacing parts of the central or peripheral nervous system. The devices were part of a **neural prosthesis** that allows simultaneous multichannel recording and multisite stimulation of neurons. Overcoming the brittle mechanics of...

...close to the nerve we established a process technology to fabricate light-weight and highly **flexible** polyimide based devices. Platinum and iridium thin-film electrodes were embedded in the polyimide. With...

8/3,K/10 (Item 9 from file: 95)

DIALOG(R)File 95:TEME-Technology & Management
(c) 2002 FIZ TECHNIK. All rts. reserv.

01252308 I98102188300

Multi-microelectrode devices for intrafascicular use in peripheral nerve
Rutten, WLC

Inst. of Biomed. Technol., Twente Univ., Enschede, Netherlands
Proceedings of the 18th Annual International Conference of the IEEE Engineering in Medicine and Biology Society. 'Bridging Disciplines for Biomedicine' (Cat. No.96CH36036), 31 Oct.-3 Nov. 1996, Amsterdam, Netherlands1997

Document type: Conference paper Language: English
Record type: Abstract
ISBN: 0-7803-3811-1

ABSTRACT:

...University of Twente three-dimensional 128-fold silicon microelectrode device. The device is meant for **implantation** in peripheral **nerve** for neuromuscular control purposes and is estimated to be able to selectively control 10-20...

...microfabrication technology are considered. A brief comparison is made with the two-dimensional sieve and **flexible** foil types of neuro electronic interfaces, under development elsewhere. Microfabrication technologies appear to be an...

...lines of research develop towards in-vitro-neuron-cultured MEPs (Multi Electrode Plates) to be **implanted** in **neural** tissue.

8/3,K/11 (Item 10 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
(c) 2002 FIZ TECHNIK. All rts. reserv.

01228304 I98072374300

Microflex: a new technique for hybrid integration for microsystems

Beutel, H; Stieglitz, T; Meyer, JU

Dept. of Sensor Syst., Fraunhofer Inst. for Biomed. Eng., Stankt Ingbert, Germany

Proceedings MEMS 98. IEEE. Eleventh Annual International Workshop on Micro Electro Mechanical Systems. An Investigation of Micro Structures, Sensors, Actuators, Machines and Systems (Cat. No.98CH36176), 25-29 Jan. 1998, Heidelberg, Germany1998

Document type: Conference paper Language: English

Record type: Abstract

ISBN: 0-7803-4412-X

ABSTRACT:

...is termed Micro Flex Interconnects (MFI). One example for this technology is the connection of **implantable**, highly **flexible** **neural** micro devices to electronics for interfacing to the external world. The interconnection technique is based...

8/3,K/12 (Item 11 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
(c) 2002 FIZ TECHNIK. All rts. reserv.

01152270 I97102555300

Multiprogrammable stimulus waveform generator for neuromuscular electrical stimulation

Arabi, K; Sawan, M

Dept. of Electr. & Comput. Eng., Ecole Polytech. de Montreal, Que., Canada
1995 IEEE Engineering in Medicine and Biology 17th Annual Conference and 21 Canadian Medical and Biological Engineering Conference (Cat. No.95CH35746), 20-23 Sept. 1995, Montreal, Que., Canada1997

Document type: Conference paper Language: English

Record type: Abstract

ISBN: 0-7803-2475-7

ABSTRACT:

...wide range of flexibility and can be used as a standard module for any programmable **neuromuscular prosthesis**. This stimuli generator is able to generate any type of waveforms and a very versatile...

8/3,K/13 (Item 12 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
(c) 2002 FIZ TECHNIK. All rts. reserv.

01052347 F96110300957

Implantable multiprogrammable microstimulator dedicated to bladder control

(Ein mehrfach programmierbarer implantierbarer Mikrostimulator zur Blasenkontrolle)

Arabi, K; Sawan, M

Ecole Polytech. de Montreal, CDN

Medical and Biological Engineering and Computing, v34, n1, pp9-12, 1996

Document type: journal article Language: English

Record type: Abstract

ISSN: 0140-0118

ABSTRACT:

...It offers a higher degree of reprogrammability and flexibility and can be used in any **neuromuscular** applications. The **implant** system is

adaptable to the patient's needs and to future developments in stimulation algorithms...

8/3,K/14 (Item 13 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management
(c) 2002 FIZ TECHNIK. All rts. reserv.

00574718 I91118481921

In-line lead connector for use with implanted neuroprosthesis
(Implantierbare in-line Verbindung fuer implantierte Neuroprothesen)
Letechipia, JE; Peckham, PH; Gazdik, M; Smith, B
Dept. of Biomed. Eng. & Orthopaedics, Case Western Reserve Univ.,
Cleveland, OH, USA
IEEE Transactions on Biomedical Engineering, v38, n7, pp707-709, 1991
Document type: journal article Language: English
Record type: Abstract
ISSN: 0018-9294

ABSTRACT:

...disturbing other elements of the implanted system. Its flexibility and size makes it suitable for **implantation** in **neuromuscular** applications.

8/3,K/15 (Item 1 from file: 149)
DIALOG(R)File 149:TGG Health&Wellness DB(SM)
(c) 2002 The Gale Group. All rts. reserv.

01411106 SUPPLIER NUMBER: 13349572 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Sham versus transurethral microwave thermotherapy in patients with symptoms of benign prostatic bladder outflow obstruction.
Ogden, C.W.; Reddy, P.; Johnson, H.; Ramsay, J.W.A.; Carter, S. St. C.
The Lancet, v341, n8836, p14(4)
Jan 2,
1993
PUBLICATION FORMAT: Magazine/Journal ISSN: 0099-5355 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract TARGET AUDIENCE: Professional
WORD COUNT: 3626 LINE COUNT: 00300

... flow or coagulation, history of uncontrolled cardiac arrhythmias or presence of cardiac pacemaker, metallic pelvic **implant**, diabetic **neuropathy**, urinary retention requiring catheterisation, histological or transrectal ultrasound evidence of prostate cancer, prominent isolated middle lobe of prostate on **flexible** cystoscopy, intravesical pathology (stones, neoplasm, gross diverticula), previous heat treatment to prostate or previous pelvic...

Set	Items	Description
S1	187006	NEURO? OR NEURA? OR NERVOUS OR NERV?
S2	47034	PROSTHESIS OR PROSTHESES OR IMPLANT?
S3	101256	FLEXIBL? OR FLEXIBILIT? OR ELASTIC? OR NONRIGID? OR NON()R-IGID?
S4	49	NEUROPROSTHES?
S5	883	S1(2N)S2 OR S4
S6	22	S5(S)S3
S7	20	RD (unique items)
S8	15	S7 NOT (PY>>2000 OR PD>>2000.04.28)

?show files

File 441:ESPICOM Pharm&Med DEVICE NEWS 2002/Nov W2

(c) 2002 ESPICOM Bus.Intell.

File 442:AMA Journals 1982-2002/Dec B2

(c)2002 Amer Med Assn -FARS/DARS apply

File 444:New England Journal of Med. 1985-2002/Nov W3

(c) 2002 Mass. Med. Soc.

File 95:TEME-Technology & Management 1989-2002/Nov W1

(c) 2002 FIZ TECHNIK

File 98:General Sci Abs/Full-Text 1984-2002/Oct

(c) 2002 The HW Wilson Co.

File 135:NewsRx Weekly Reports 1995-2002/Nov W2

(c) 2002 NewsRx

File 149:TGG Health&Wellness DB(SM) 1976-2002/Nov W2

(c) 2002 The Gale Group

File 369:New Scientist 1994-2002/Oct W3

(c) 2002 Reed Business Information Ltd.

File 370:Science 1996-1999/Jul W3

(c) 1999 AAAS